



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re the application of: Woolf, Tod M.

Serial No.: 10/071512

Filed: February 8, 2002

For: METHODS OF LIGHT ACTIVATED
RELEASE OF LIGANDS FROM ENDOSOMES

Attorney Docket No.: SRI-014

Group Art Unit: 1615

Examiner: Not yet assigned.

Commissioner for Patents
Washington, D.C. 20231

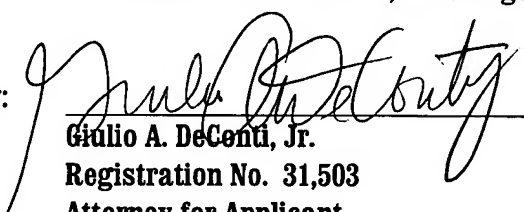
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June 7, 2002

Date of Signature and of Mail Deposit

By:


Giulio A. DeCenti, Jr.
Registration No. 31,503
Attorney for Applicant

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

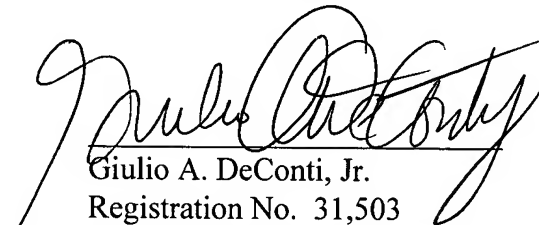
Applicant and his Attorney are aware of the following publications and information, listed on the attached PTO Form 1449, and in accordance with 37 CFR §1.97 hereby submit these publications for the Examiner's consideration. A copy of each cited publication is enclosed.

This statement is not to be interpreted as a representation that the cited publications are material, that an exhaustive search has been conducted, or that no other relevant information exists. Nor shall the citation of any publication herein be

construed *per se* as a representation that such publication is prior art. Moreover, Applicant understands that the Examiner will make an independent evaluation of the cited publications.

Under 37 CFR § 1.97(b)(3), no additional costs are believed to be due in connection with the filing of this disclosure. If, however, a first Office Action on the merits issues in this application bearing a mailing date prior to the date of this Information Disclosure Statement, please charge the appropriate fee as required under 37 CFR §1.17(p) to our Deposit Order Account No. 12-0080.

Respectfully submitted,
LAHIVE & COCKFIELD, LLP



Giulio A. DeConti, Jr.
Registration No. 31,503
Attorney for Applicant

28 State Street
Boston, MA 02109
(617) 227-7400

Date: June 7, 2002

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Sheet 1 of 1

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APPLICANT FACSIMILE OF FORM PTO-1448
REV 7-80

U.S. DEPARTMENT OF
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PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO
SRI-014

SERIAL NO.
10/071512

LIST OF PUBLICATIONS CITED BY APPLICANT
(Use several sheets if necessary)

APPLICANT
W olf, T d M.

FILING DATE
F bruary 8, 2002

GROUP
1615

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A1	4,235,871	11/80	Papahadjopoulos et al.	424	19	
	A2	4,501,728	02/85	Geho et al.	424	38	
	A3	4,737,323	04/88	Martin et al.	264	4.3	
	A4	4,837,028	06/89	Allen	424	450	
	A5	4,897,355	01/90	Eppstein et al.	435	240.2	
	A6	5,736,392	04/98	Hawley-Nelson et al.	435	320.1	
	A7	5,767,099	06/98	Harris et al.	514	44	
	A8	5,777,153	07/98	Lin et al.	560	158	
	A9	5,780,053	07/98	Ashley et al.	424	450	
	A10	5,830,430	11/98	Unger et al.	424	1.21	
	A11	5,851,548	12/98	Dattagupta et al.	424	450	
	A12	5,855,910	01/99	Ashley et al.	424	450	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	A13	WO 90/14074 A1	11/90	PCT				
	A14	WO 91/16024 A1	10/91	PCT				
	A15	WO 91/17424 A1	11/91	PCT				
	A16	WO 99/11809 A1	03/99	PCT				

OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

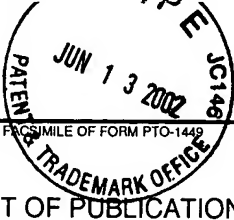
	A17	Allinquant, B. et al. Downregulation of amyloid precursor protein inhibits neurite outgrowth in vitro. 1995. <i>J. Cell Biol.</i> 128(5):919-927
	A18	Bartzatt, R. Cotransfection of nucleic acid segments by Sendai virus envelopes. 1989. <i>Biotechnol. Appl. Biochem.</i> 11:133-135
	A19	Bergan, R. et al. Electroporation enhances c-myc antisense oligodeoxynucleotide efficacy. 1993. <i>Nucleic Acids Research.</i> 21(15):3567-3573
	A20	Boutorin, A.S. et al. Synthesis of alkylating oligonucleotide derivatives containing cholesterol or phenazinium residues at their 3'-terminus and their interaction with DNA within mammalian cells. August, 1989. <i>FEBS Letters</i> 254(1,2):129-132
	A21	Bunnell, B.A. et al. Targeted delivery of antisense oligonucleotides by molecular conjugates. 1992. <i>Somatic Cell and Molecular Genetics.</i> 18(6):559-569
	A22	Derossi, D. et al. Trojan peptides: the penetratin system for intracellular delivery. 1998. <i>Trends in Cell Biology.</i> 8:84-87

Examiner

Date Considered

*EXAMINER:

Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



APPLICANT FRSIMILE OF FORM PTO-1449 REV 7-80	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO SRI-014	SERIAL NO. 10/071512	Sheet 2 of 2
LIST OF PUBLICATIONS CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT W If, Tod M.		JUN 18 2002
		FILING DATE February 8, 2002	GROUP 1615	

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OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

B1	Elliott, G. et al. Intercellular trafficking and protein delivery by a herpesvirus structural protein. January 24, 1997. <i>Cell</i> 88:223-233
B2	Hope, M.J. et al. Cationic lipids, phosphatidylethanolamine and the intracellular delivery of polymeric, nucleic acid-based drugs (review). 1998. <i>Molecular Membrane Biology</i> 15:1-14
B3	Huang, C-Y. et al. Lipitoids--novel cationic lipids for cellular delivery of plasmid DNA <i>in vitro</i> . 1998. <i>Chemistry and Biology</i> . 5:345-354
B4	Kamata, H. et al. Amphiphilic peptides enhance the efficiency of liposome-mediated DNA transfection. 1994. <i>Nucl. Acids. Res.</i> 22(3):536-537
B5	Lemaitre, M. et al. Specific antiviral activity of a poly(L-lysine)-conjugated oligodeoxyribonucleotide sequence complementary to vesicular stomatitis virus N protein mRNA initiation site. February, 1987. <i>Proc. Natl. Acad. Sci. USA</i> . 84:648-652
B6	Lewis, J.G. et al. A serum-resistant cytofectin for cellular delivery of antisense oligodeoxynucleotides and plasmid DNA. April, 1996. <i>Proc. Natl. Acad. Sci. USA</i> . 93:3176-3181
B7	Liang, E. et al. Oligonucleotide delivery: a cellular prospective. 1999. <i>Pharmazie</i> 54:559-566
B8	Murphy, J.E. et al. A combinatorial approach to the discovery of efficient cationic peptoid reagents for gene delivery. February, 1998. <i>Proc. Natl. Acad. Sci.</i> 95:1517-1522
B9	Pooga, M. et al. Cell penetrating PNA constructs regulate galanin receptor levels and modify pain transmission <i>in vivo</i> . September, 1998. <i>Nature Biotechnology</i> . 16:857-861
B10	Prochiantz, A. Getting hydrophilic compounds into cells: lessons from homeopeptides. 1996. <i>Curr. Opin. Neurobiol.</i> 6:629-634
B11	Schell, P.L. Uptake of polynucleotides by mammalian cells. XIV. Stimulation of the uptake of polynucleotides by poly(L-lysine). 1974. <i>Biochem. Biophys. Acta</i> 340:323-333
B12	Smith, A. et al. The murine haemopexin receptor. Evidence that the haemopexin-binding site resides on a 20 kDa subunit and that receptor recycling is regulated by protein kinase C. 1991. <i>Biochem J.</i> 276: 417-425
B13	Stein, C.A. Two problems in antisense biotechnology: <i>in vitro</i> delivery and the design of antisense experiments. 1999. <i>Biochimica et Biophysica Acta</i> . 1489:45-52
B14	Troy, C.M. et al. Downregulation of Cu/Zn superoxide dismutase leads to cell death via the nitric oxide-peroxynitrite pathway. January 1, 1996. <i>J. Neurosci.</i> 16(1):253-261
B15	Vivès, E. et al. A truncated HIV-1 Tat protein basic domain rapidly translocates through the plasma membrane and accumulates in the cell nucleus. June 20, 1997. <i>J. Biol. Chem.</i> 272(25):16010-16017
B16	Vlassov, V.V. Transport of oligonucleotides across natural and model membranes. 1994. <i>Biochimica et Biophysica Acta</i> 1197:95-108
B17	Wagner, E. et al. Transferrin-polycation-DNA complexes: the effect of polycations on the structure of the complex and DNA delivery to cells. May 1991. <i>Proc. Natl. Acad. Sci. USA</i> . 88:4255-4259
B18	Zuckermann, R.N. et al. Design, construction and application of a fully automated equimolar peptide mixture synthesizer. 1992. <i>Int. J. Peptide Protein Res.</i> 40:497-506
B19	Zuckermann, R.N. et al. Efficient method for the preparation of peptoids [Oligo(N-substituted glycines)] by submonomer solid-phase synthesis. 1992. <i>J. Am. Chem. Soc.</i> 114:10646-10647

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Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

**LAHIVE
&
COCKFIELD**
L L P

COUNSELLORS AT LAW
28 STATE STREET
BOSTON, MASSACHUSETTS 02109-1784
TELEPHONE (617) 227-7400
FAX (617) 742-4214
lc@lahive.com



Commissioner for Patents
Washington, D.C. 20231

JOHN A. LAHIVE, JR. (1928-1997)
THOMAS V. SMURZYNSKI
RALPH A. LOREN
GIULIO A. DeCONTI, JR.
ANN LAMPORT HAMMITTE
ELIZABETH A. HANLEY
AMY BAKER MANDRAGOURAS
ANTHONY A. LAURENTANO
KEVIN J. CANNING
JANE E. REMILLARD
DeANN FORAN SMITH
PETER C. LAURO
JEANNE M. DIGIORGIO
DEBRA J. MILASINIC, Ph.D.
DAVID J. RIKKERS
DAVID R. BURNS
JOHN S. CURRAN
SEAN D. DETWEILER

CYNTHIA L. KANIK, Ph.D.
MEGAN E. WILLIAMS, Ph.D.
RICHA NAND
MICHAEL PHILLIPPS *
LISA M. DIROCCO
HATHAWAY P. RUSSELL **
MARIA LACCOTRIPE ZACHARAKIS, Ph.D.
PETER A. DIMATTIA
VINCENT P. LOCCISANO
MERIDETH C. ARNOLD

SENIOR COUNSEL
JAMES E. COCKFIELD

OF COUNSEL
JEREMIAH LYNCH
WILLIAM A. SCOFIELD, JR.
SIBLEY P. REPPERT

PATENT AGENTS
THEODORE R. WEST
SHAYNE Y. HUFF, Ph.D.
DANIEL B. KO

TECHNICAL SPECIALISTS
CYNTHIA M. SOROOS
PETER W. DINI, Ph.D.
EUIHOON LEE
JENNIFER K. ROSENFELD
ALLAN TAMESHTIT, Ph.D.
CATHERINE E. McPHERSON
ERIC F. WAGNER, Ph.D.
SHAHID HASAN, Ph.D.
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JONATHAN M. SPARKS, Ph.D.
CRISTIN E. HOWLEY, Ph.D.

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June 7, 2002

Re: U.S. Patent Application No.: 10/071512
For: METHODS OF LIGHT ACTIVATED RELEASE OF LIGANDS
FROM ENDOSOMES
Inventor: Woolf, Tod M.
Filed: February 8, 2002
Our Ref. No.: SRI-014

Dear Sir:

I enclose herewith for filing in the above-identified application the following:

1. Information Disclosure Statement;
2. PTO Form 1449;
3. Copies of references cited in PTO Form 1449 (41); and
4. A Return Postcard.

No additional costs are believed to be due in connection with the filing of this Information Disclosure Statement. However, please charge any necessary fees in connection with the enclosed statement to our Deposit Order Account No. 12-0080. For this purpose, a duplicate of this sheet is attached.

I hereby certify that this correspondence is deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on:

June 7, 2002
Date
Giulio A. DeConti, Jr.
Giulio A. DeConti, Jr., Reg. No. 31,503

Respectfully submitted,
LAHIVE & COCKFIELD, LLP

Giulio A. DeConti, Jr.
Giulio A. DeConti, Jr.
Registration No. 31,503
Attorney for Applicant